

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

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| Agency and subdivision | Total | Life sciences | Psychology | Physical sciences | Environmental sciences | Mathematics and computer sciences | Engineering | Social sciences | Other sciences, n.e.c. |
|--|------------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| Total, all agencies | 16,083,861 | 6,225,338 | 285,320 | 976,358 | 1,479,532 | 1,245,700 | 4,623,729 | 608,326 | 639,558 |
| Departments: | | | | | | | | | |
| Department of Agriculture, total | 744,764 | 547,333 | 229 | 45,801 | 5,654 | 9,094 | 37,109 | 97,545 | 1,999 |
| Agricultural Marketing Service | 4,015 | 4,015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Agricultural Research Service | 316,382 | 276,781 | 0 | 30,098 | 1,906 | 327 | 7,270 | 0 | 0 |
| Cooperative State Research, Education, & Extension Service | 272,899 | 213,232 | 0 | 12,407 | 573 | 0 | 14,175 | 32,512 | 0 |
| Economic Research Service | 56,239 | 0 | 0 | 0 | 0 | 0 | 0 | 56,239 | 0 |
| Food Safety Inspection Service | 125 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Foreign Agricultural Service | 557 | 557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Forest Service | 88,650 | 51,323 | 229 | 3,296 | 3,175 | 6,370 | 15,664 | 6,594 | 1,999 |
| Nat'l Agricultural Statistics Svc | 2,397 | 0 | 0 | 0 | 0 | 2,397 | 0 | 0 | 0 |
| Rural Business-Cooperative Svc | 3,500 | 1,300 | 0 | 0 | 0 | 0 | 0 | 2,200 | 0 |
| Department of Commerce, total | 798,872 | 140,678 | 1,265 | 84,509 | 291,707 | 75,236 | 145,920 | 19,289 | 40,268 |
| Bureau of the Census | 3,835 | 0 | 1,265 | 0 | 0 | 2,570 | 0 | 0 | 0 |
| Economic Development Admin | 550 | 0 | 0 | 0 | 0 | 0 | 0 | 550 | 0 |
| Nat'l Inst of Standards & Tech | 266,948 | 19,236 | 0 | 59,448 | 284 | 53,241 | 134,739 | 0 | 0 |
| Nat'l Oceanic & Atmospheric Admin | 523,730 | 121,442 | 0 | 25,061 | 291,423 | 19,425 | 7,372 | 18,739 | 40,268 |
| National Telecommunications & Information Administration | 3,809 | 0 | 0 | 0 | 0 | 0 | 3,809 | 0 | 0 |
| Department of Defense, total | 3,102,052 | 327,733 | 40,114 | 262,109 | 180,579 | 521,925 | 1,528,382 | 0 | 241,210 |
| Department of the Air Force | 573,368 | 25,040 | 24,200 | 101,173 | 9,082 | 35,510 | 374,909 | 0 | 3,454 |
| Department of the Army | 667,278 | 98,080 | 7,824 | 32,545 | 78,532 | 50,617 | 292,945 | 0 | 106,735 |
| Department of the Navy | 517,482 | 35,384 | 0 | 5,030 | 71,437 | 19,453 | 386,178 | 0 | 0 |
| Defense Agencies, total | 1,343,924 | 169,229 | 8,090 | 123,361 | 21,528 | 416,345 | 474,350 | 0 | 131,021 |
| Ballistic Missile Defense Org | 104,487 | 0 | 0 | 32,778 | 0 | 25,214 | 31,311 | 0 | 15,184 |
| Defense Adv Rsch Projects Agcy | 898,967 | 100,321 | 0 | 13,731 | 6,944 | 379,713 | 365,112 | 0 | 33,146 |
| Defense Info Systems Agcy | 1,951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,951 |
| Defense Logistics Agency | 8,090 | 0 | 8,090 | 0 | 0 | 0 | 0 | 0 | 0 |
| Defense Threat Reduction Agency | 202,820 | 20 | 0 | 64,277 | 14,584 | 65 | 43,384 | 0 | 80,490 |
| Special Operations Command | 17,866 | 715 | 0 | 0 | 0 | 0 | 16,901 | 0 | 250 |
| Washington Headquarters Svcs | 109,743 | 68,173 | 0 | 12,575 | 0 | 11,353 | 17,642 | 0 | 0 |
| Department of Education | 146,577 | 19,639 | 3,150 | 0 | 0 | 0 | 8,819 | 114,969 | 0 |
| Department of Energy | 1,787,991 | 62,306 | 0 | 334,846 | 80,219 | 488,686 | 802,832 | 0 | 19,102 |
| Dept of Health & Human Svcs, total | 5,082,114 | 4,382,009 | 158,631 | 67,222 | 12,977 | 52,576 | 61,430 | 104,718 | 242,551 |
| Administration on Aging | 2,381 | 0 | 0 | 0 | 0 | 0 | 0 | 2,381 | 0 |
| Admin for Children & Families | 24,893 | 0 | 0 | 0 | 0 | 0 | 0 | 24,893 | 0 |
| Agency for Healthcare Research and Quality ¹ | 171,337 | 71,772 | 694 | 0 | 0 | 14,377 | 0 | 24,149 | 60,345 |
| Centers for Disease Control & Prevention | 433,307 | 433,307 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food & Drug Administration | 130,802 | 130,802 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Care Financing Admin | 49,671 | 49,671 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Resources & Services Admin | 11,616 | 11,616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| National Institutes of Health | 4,244,159 | 3,684,841 | 157,937 | 67,222 | 12,977 | 38,199 | 61,430 | 39,347 | 182,206 |
| Office of the Secretary, total | 13,948 | 0 | 0 | 0 | 0 | 0 | 0 | 13,948 | 0 |
| Office of the Asst Secretary, Planning & Evaluation | 13,948 | 0 | 0 | 0 | 0 | 0 | 0 | 13,948 | 0 |
| Dept of Housing & Urban Development | 19,067 | 0 | 0 | 0 | 395 | 649 | 1,214 | 15,065 | 1,744 |

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Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1999

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|--|---------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| Department of the Interior, total | 550,910 | 145,103 | 0 | 42 | 369,797 | 6,813 | 11,972 | 17,183 | 0 |
| Bureau of Reclamation | 7,702 | 0 | 0 | 0 | 2,027 | 0 | 5,575 | 100 | 0 |
| Geological Survey | 491,522 | 138,732 | 0 | 0 | 344,839 | 5,144 | 1,403 | 1,404 | 0 |
| Minerals Management Service | 28,752 | 686 | 0 | 42 | 20,055 | 1,307 | 4,446 | 2,216 | 0 |
| National Park Service | 22,934 | 5,685 | 0 | 0 | 2,876 | 362 | 548 | 13,463 | 0 |
| Department of Justice, total | 36,249 | 0 | 500 | 0 | 0 | 500 | 0 | 24,949 | 10,300 |
| Bureau of Prisons | 7,449 | 0 | 500 | 0 | 0 | 500 | 0 | 6,449 | 0 |
| Office of Justice Programs | 28,800 | 0 | 0 | 0 | 0 | 0 | 0 | 18,500 | 10,300 |
| Department of Labor, total | 16,626 | 0 | 0 | 0 | 0 | 131 | 0 | 16,495 | 0 |
| Bureau of Labor Statistics | 1,300 | 0 | 0 | 0 | 0 | 0 | 0 | 1,300 | 0 |
| Employment & Training Admin | 8,816 | 0 | 0 | 0 | 0 | 0 | 0 | 8,816 | 0 |
| Occupational Safety & Hlth Admin | 3,757 | 0 | 0 | 0 | 0 | 0 | 0 | 3,757 | 0 |
| Office of the Secretary | 156 | 0 | 0 | 0 | 0 | 131 | 0 | 25 | 0 |
| Pension Benefit Guaranty Corp | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 |
| Pension & Welfare Benefits Admin | 2,540 | 0 | 0 | 0 | 0 | 0 | 0 | 2,540 | 0 |
| Department of State ² | 1,473 | 0 | 0 | 0 | 0 | 0 | 0 | 1,473 | 0 |
| Department of Transportation, total | 415,979 | 12,162 | 25,462 | 50,582 | 34,357 | 11,428 | 239,663 | 7,387 | 34,938 |
| Coast Guard | 5,069 | 0 | 647 | 0 | 551 | 1,133 | 2,738 | 0 | 0 |
| Federal Aviation Administration | 142,322 | 4,630 | 23,866 | 46,292 | 21,608 | 0 | 34,804 | 0 | 11,122 |
| Federal Highway Administration | 187,155 | 2,722 | 949 | 4,290 | 11,098 | 4,062 | 138,466 | 1,880 | 23,688 |
| Federal Railroad Administration | 20,304 | 0 | 0 | 0 | 0 | 96 | 20,208 | 0 | 0 |
| Federal Transit Administration | 4,800 | 0 | 0 | 0 | 1,000 | 0 | 3,800 | 0 | 0 |
| National Highway Traffic Safety Administration | 50,350 | 4,810 | 0 | 0 | 0 | 5,546 | 34,487 | 5,507 | 0 |
| Research & Special Programs Admin | 5,979 | 0 | 0 | 0 | 100 | 591 | 5,160 | 0 | 128 |
| Department of the Treasury, total | 50,705 | 0 | 531 | 1,991 | 0 | 0 | 0 | 48,183 | 0 |
| Bureau of Engraving & Printing | 1,991 | 0 | 0 | 1,991 | 0 | 0 | 0 | 0 | 0 |
| Internal Revenue Service | 48,039 | 0 | 0 | 0 | 0 | 0 | 0 | 48,039 | 0 |
| Office of Thrift Supervision | 144 | 0 | 0 | 0 | 0 | 0 | 0 | 144 | 0 |
| United States Secret Service | 531 | 0 | 531 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of Veterans Affairs | 183,846 | 129,027 | 39,031 | 0 | 0 | 0 | 15,788 | 0 | 0 |

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|--|-----------|---------------|------------|-------------------|------------------------|-----------------------------------|-------------|-----------------|------------------------|
| Other agencies: | | | | | | | | | |
| Appalachian Regional Commission | 831 | 0 | 0 | 0 | 0 | 0 | 0 | 831 | 0 |
| Environmental Protection Agency | 399,994 | 154,271 | 0 | 10,505 | 119,043 | 15,633 | 59,303 | 2,938 | 38,301 |
| Federal Communications Commission | 4,487 | 0 | 0 | 0 | 0 | 134 | 1,516 | 2,837 | 0 |
| Federal Trade Commission | 1,254 | 0 | 0 | 0 | 0 | 0 | 0 | 1,254 | 0 |
| Internat'l Development Cooperation Agency, total | 163,713 | 102,022 | 0 | 0 | 3,290 | 0 | 0 | 57,978 | 423 |
| Agcy for Internat'l Development ³ | 163,713 | 102,022 | 0 | 0 | 3,290 | 0 | 0 | 57,978 | 423 |
| Library of Congress | 544 | 0 | 0 | 544 | 0 | 0 | 0 | 0 | 0 |
| National Aeronautics & Space Admin | 2,317,028 | 185,939 | 16,403 | 102,849 | 381,309 | 56,054 | 1,566,625 | 0 | 7,849 |
| National Archives & Records Admin | 120 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 0 |
| National Science Foundation | 146,528 | 17,116 | 4 | 15,238 | 205 | 6,841 | 94,039 | 12,212 | 873 |
| Nuclear Regulatory Commission | 49,000 | 0 | 0 | 0 | 0 | 0 | 49,000 | 0 | 0 |
| Social Security Administration | 53,282 | 0 | 0 | 0 | 0 | 0 | 0 | 53,282 | 0 |
| United States Information Agency | 117 | 0 | 0 | 0 | 0 | 0 | 117 | 0 | 0 |
| US International Trade Commission | 9,738 | 0 | 0 | 0 | 0 | 0 | 0 | 9,738 | 0 |

¹ The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

² Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

³ Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001